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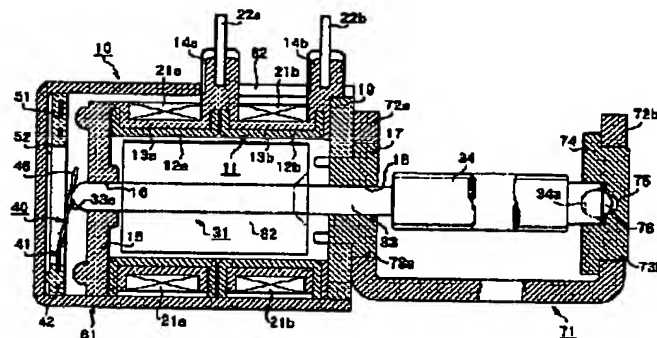
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TITLE : SMALL-SIZED MOTOR DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To eliminate generation of a noise and to obtain a smooth rotation and a fixed output torque, by pivoting a rotor assembly unit coaxially relating to a stator assembly unit, in addition, pressing the rotor assembly unit by a retaining spring part in a thrust direction at a fixed elastic pressure.

SOLUTION: In a condition of assembling the whole device including a small- sized motor 10, astride each stator core 12a, 12b of a stator assembly unit 11, the rotor 32 of a rotor assembly unit 31 is arranged coaxially. On the other hand, a base end part side spherical protruded surface 33a of a rotor shaft 33 protruded from a pivot hole 16 is brought, as it is, into contact with a retaining spring part 46 of a retaining spring member 41 provided in an output shaft pressure mechanism 40 so that the rotor assembly unit 31 is pressurized in a thrust direction by an elastic pressure of this retaining spring part 46. In this way, a cause of noise generation can be eliminated, ever-smooth rotation and fixed output torque can be obtained.

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